

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,393,155 B2  
APPLICATION NO. : 10/550121  
DATED : July 1, 2008  
INVENTOR(S) : Riccobene

Page 1 of 19

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The title page, showing an illustrative figure, should be deleted and substitute therefor the attached title page.

Delete drawing sheets 1-17 and substitute therefor the drawing sheets, consisting of figures 1-44 as shown on the attached pages.

Signed and Sealed this

Fifth Day of January, 2010

A handwritten signature in black ink that reads "David J. Kappos". The signature is written in a cursive, flowing style with a large initial 'D' and 'K'.

David J. Kappos  
*Director of the United States Patent and Trademark Office*

(12) **United States Patent**  
**Riccobene**

(10) **Patent No.:** **US 7,393,155 B2**  
(45) **Date of Patent:** **\*Jul. 1, 2008**

(54) **IRREGULAR TESSELLATED BUILDING UNITS**

(75) Inventor: **Thomas S. Riccobene**, Albuquerque, NM (US)  
(73) Assignee: **Riccobene Designs LLC**, Albuquerque, NM (US)

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 169 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **10/550,121**

(22) PCT Filed: **Mar. 24, 2004**

(86) PCT No.: **PCT/US2004/009148**

§ 371 (c)(1),

(2), (4) Date: **Sep. 19, 2005**

(87) PCT Pub. No.: **WO2004/085755**

PCT Pub. Date: **Oct. 7, 2004**

(65) **Prior Publication Data**

US 2006/0182923 A1 Aug. 17, 2006

US 2007/0098945 A2 May 3, 2007

**Related U.S. Application Data**

(60) Provisional application No. 60/503,936, filed on Sep. 18, 2003.

(51) Int. Cl. **E01C 5/00** (2006.01)

(52) U.S. Cl. .... **404/38; 404/41; 428/44; 428/48; 52/603**

(58) **Field of Classification Search** .... **428/44, 428/48; 404/37, 38, 41, 34; 52/311.2, 392, 52/603**

See application file for complete search history.

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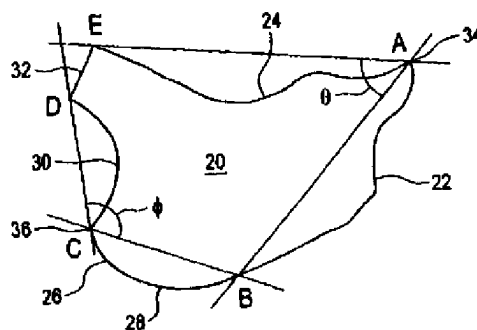
Primary Examiner—Alexander Thomas

(74) Attorney, Agent, or Firm Greer, Burns & Crain, Ltd

(57) **ABSTRACT**

An irregular, tessellated building unit comprises x primary elements, wherein x is an integer equal to or greater than 1. The primary element is a rotational tessellation having a plural pairs of sides extending in a generally radial direction from plural vertices, respectively. In each pair, the two sides are rotationally spaced by an angle that is divided evenly into 360 degrees. Preferably, all of the sides are irregularly shaped, but one or more sides could be wholly or partially straight. Optionally, spacers are provided on the sides of each unit. A wide variety of units may be constructed having different numbers and arrangements of primary elements. As all the units are combinations of primary elements, they readily mate with each other. A surface covering comprises a multiplicity of units assembled to form a continuous surface without overlap between units and without substantial gaps between units. A structure, such as a wall or column can be formed of building units of the invention. Because of the irregular side configurations, and different sizes and shapes of individual units, the resulting surface or structure has a natural, non-repeating pattern appearance. Optionally, minor surface and edges variations are made from unit to unit to further enhance the natural appearance of the surface covering or structure.

**7 Claims, 17 Drawing Sheets**



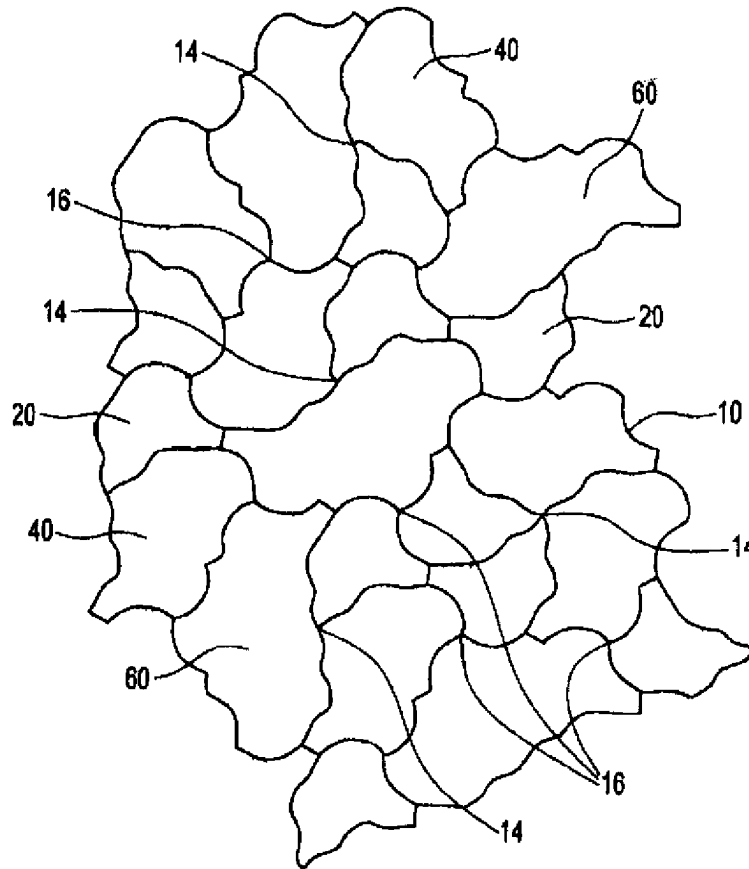


FIG. 1

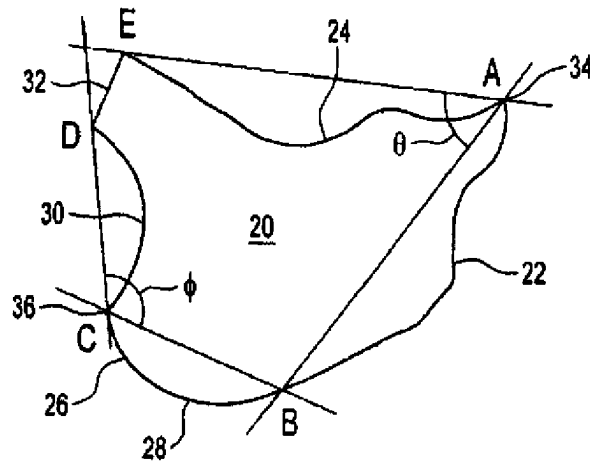


FIG. 2

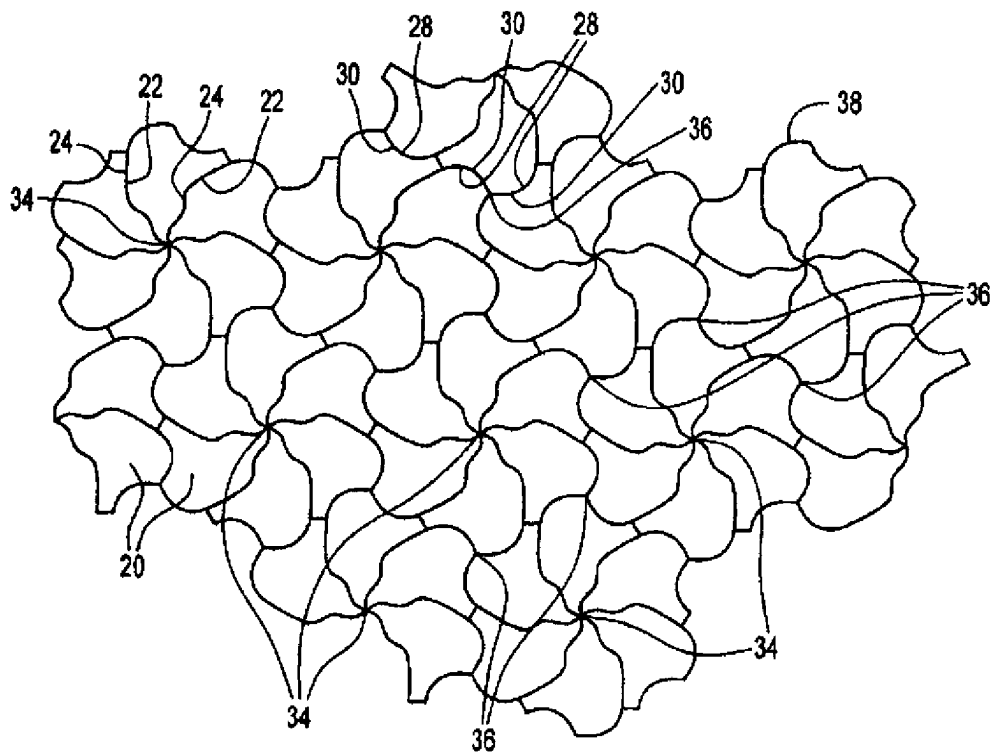


FIG. 3

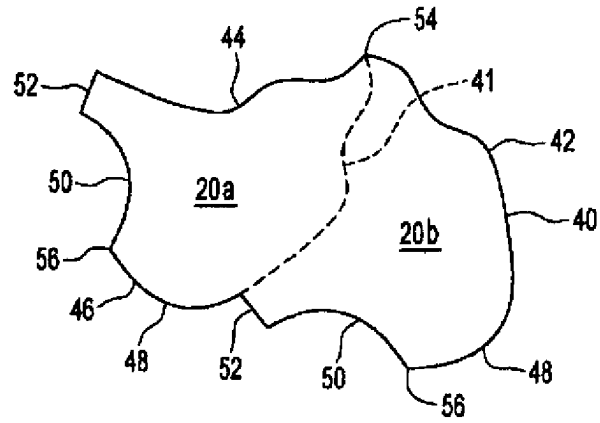


FIG. 4

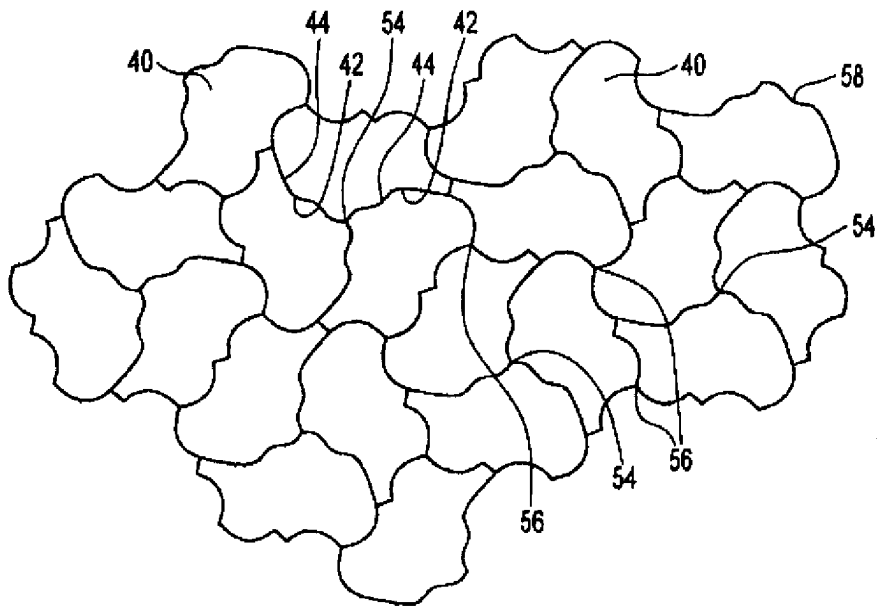


FIG. 5

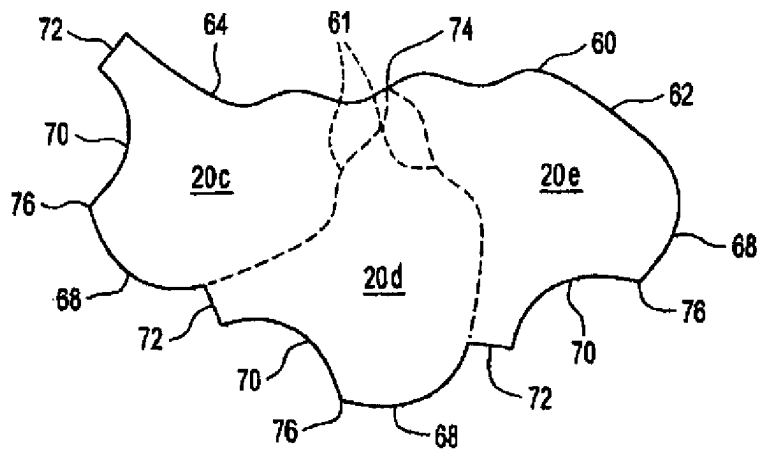


FIG. 6

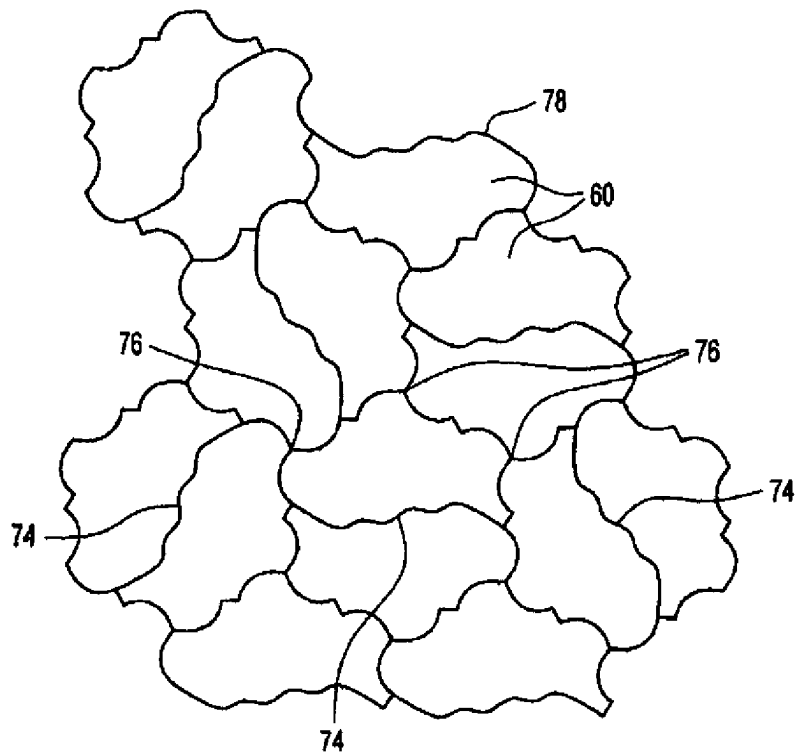


FIG. 7

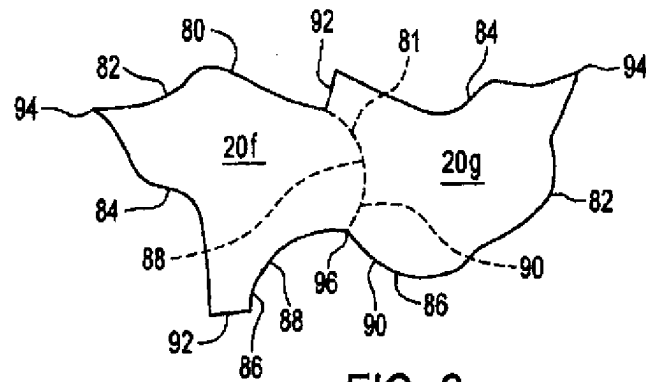


FIG. 8

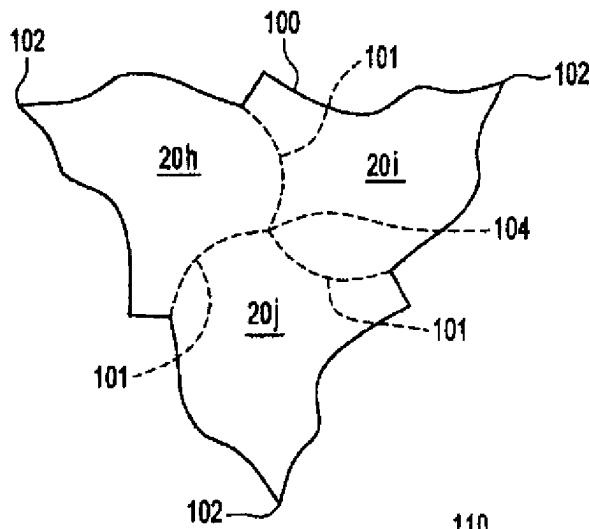


FIG. 9

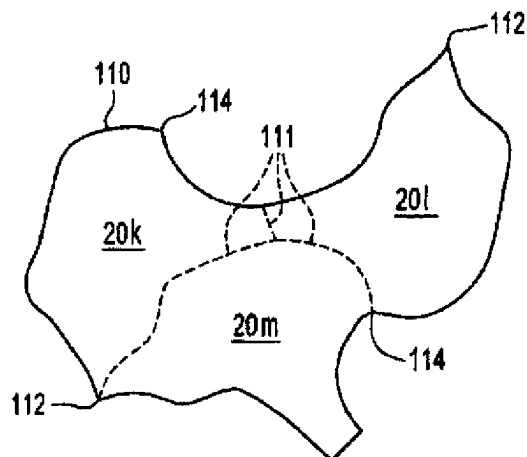


FIG. 10

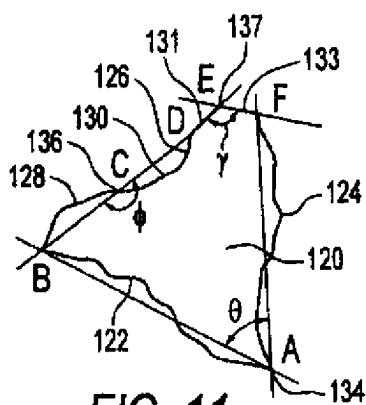


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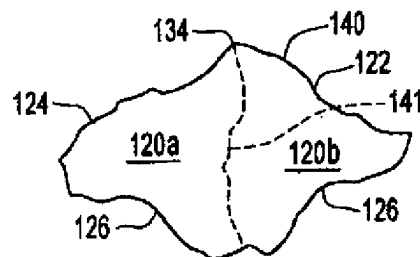


FIG. 12

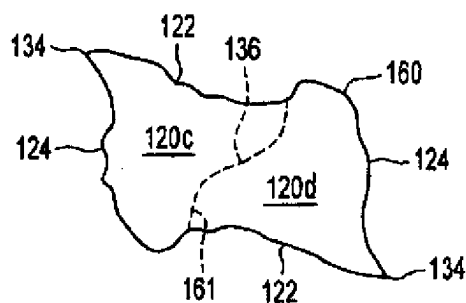


FIG. 13

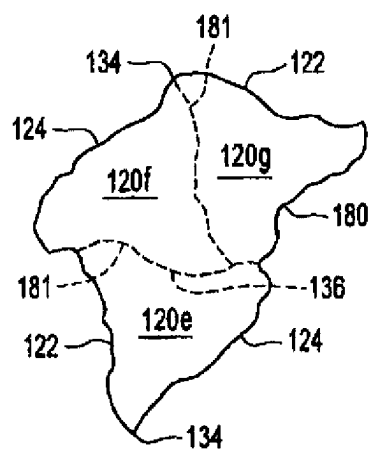


FIG. 14

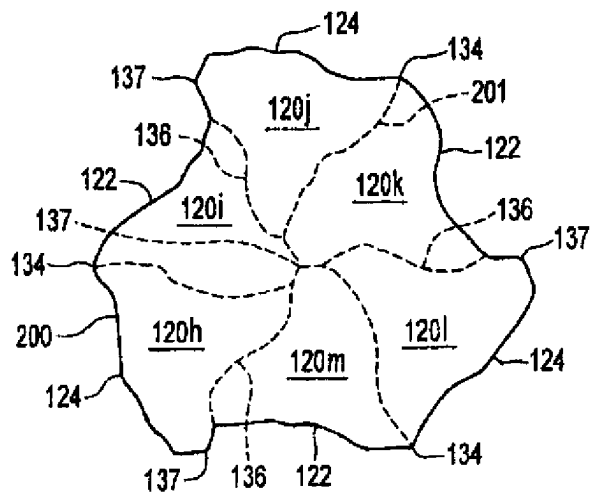
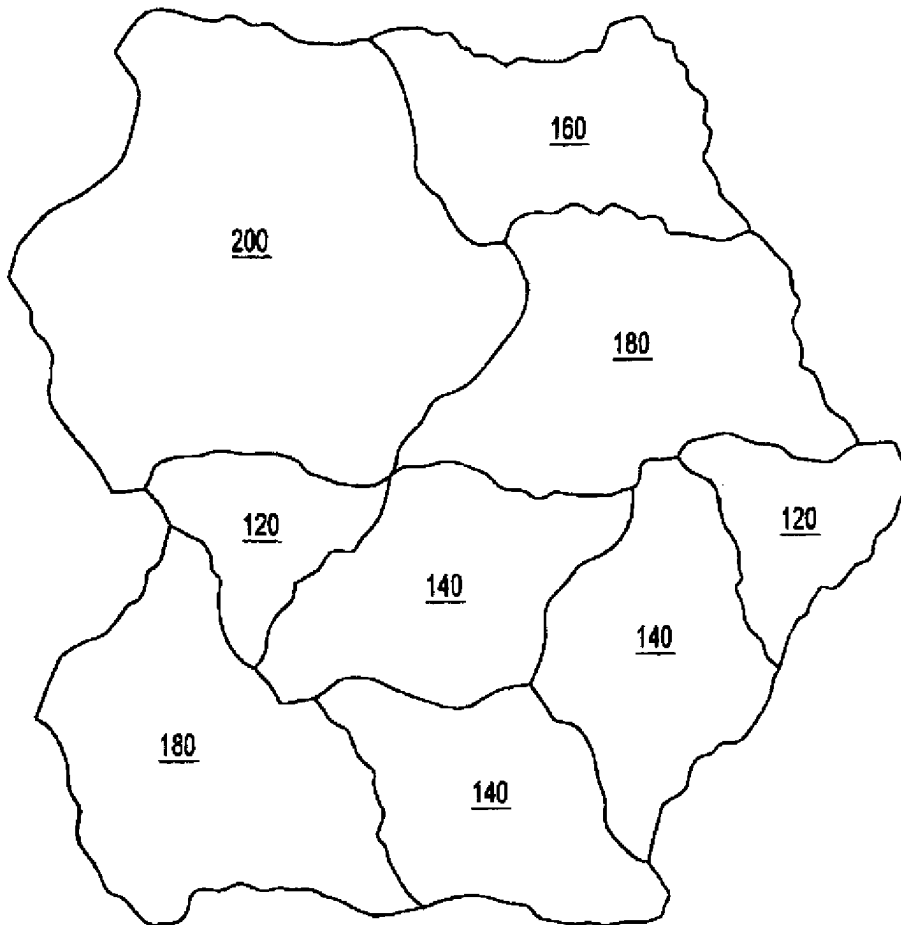


FIG. 15





**FIG. 16**

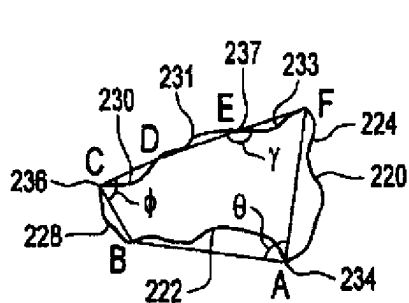


FIG. 17

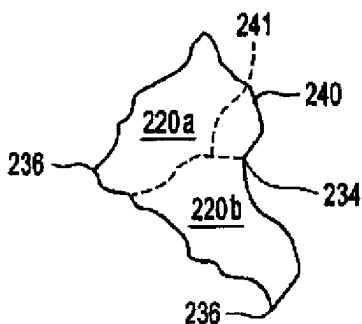


FIG. 18

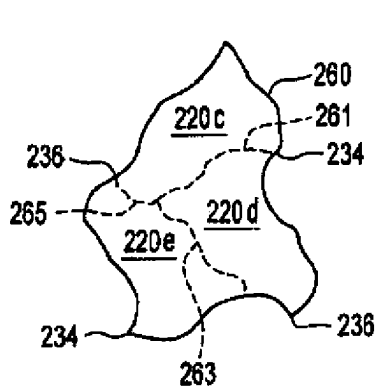


FIG. 19

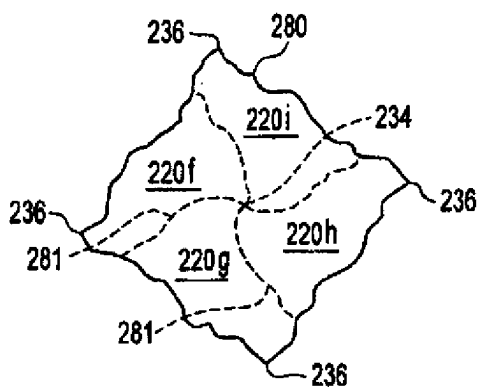


FIG. 20

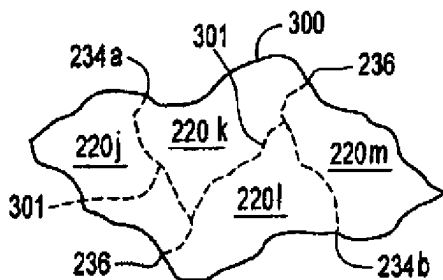


FIG. 21

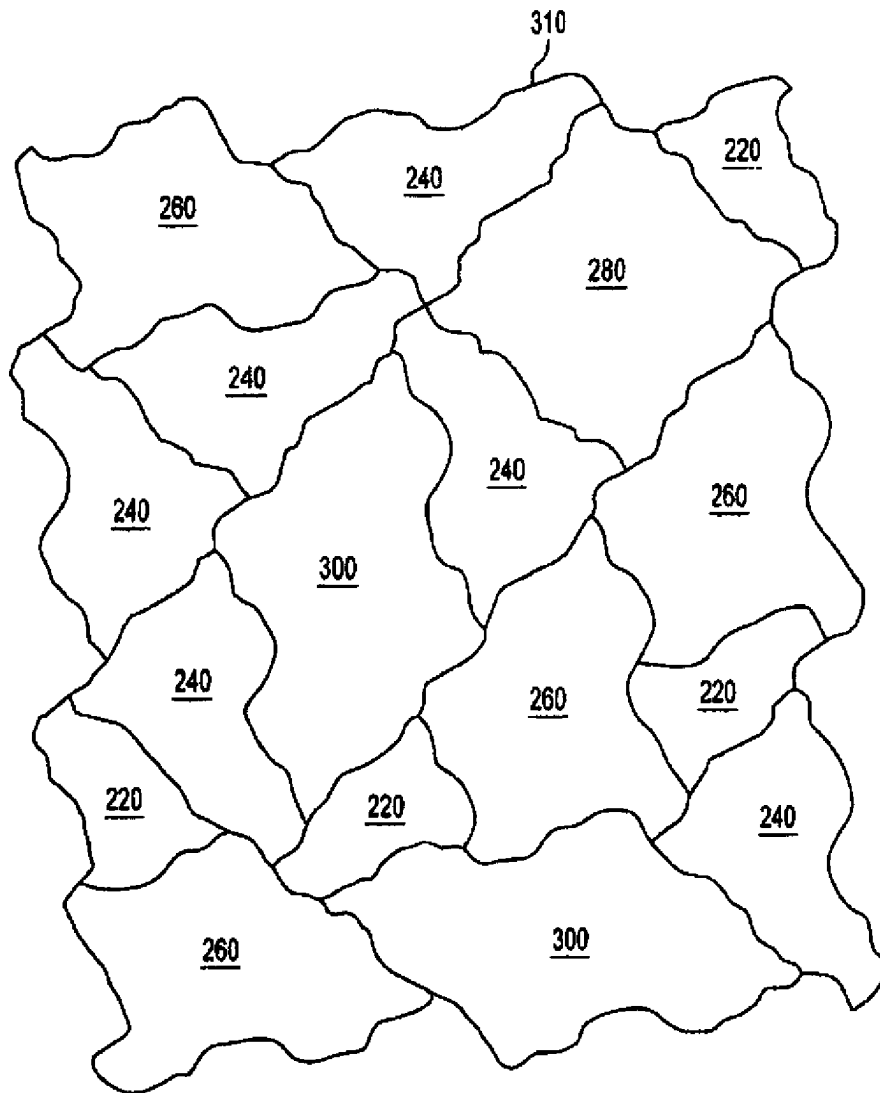


FIG. 22

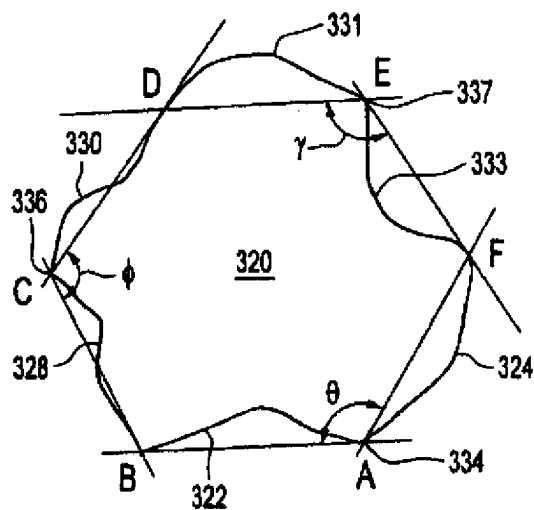


FIG. 23

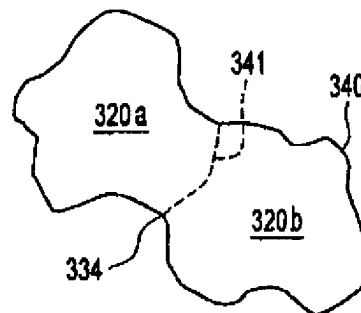


FIG. 24

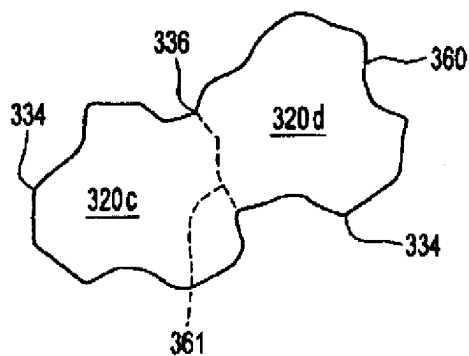


FIG. 25

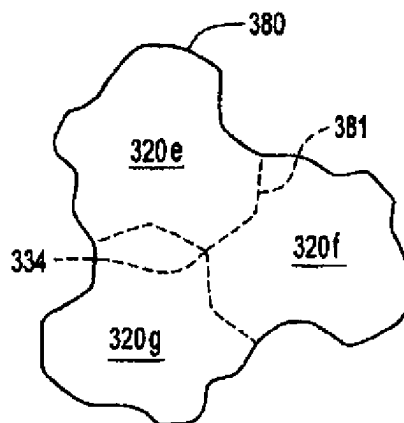


FIG. 26

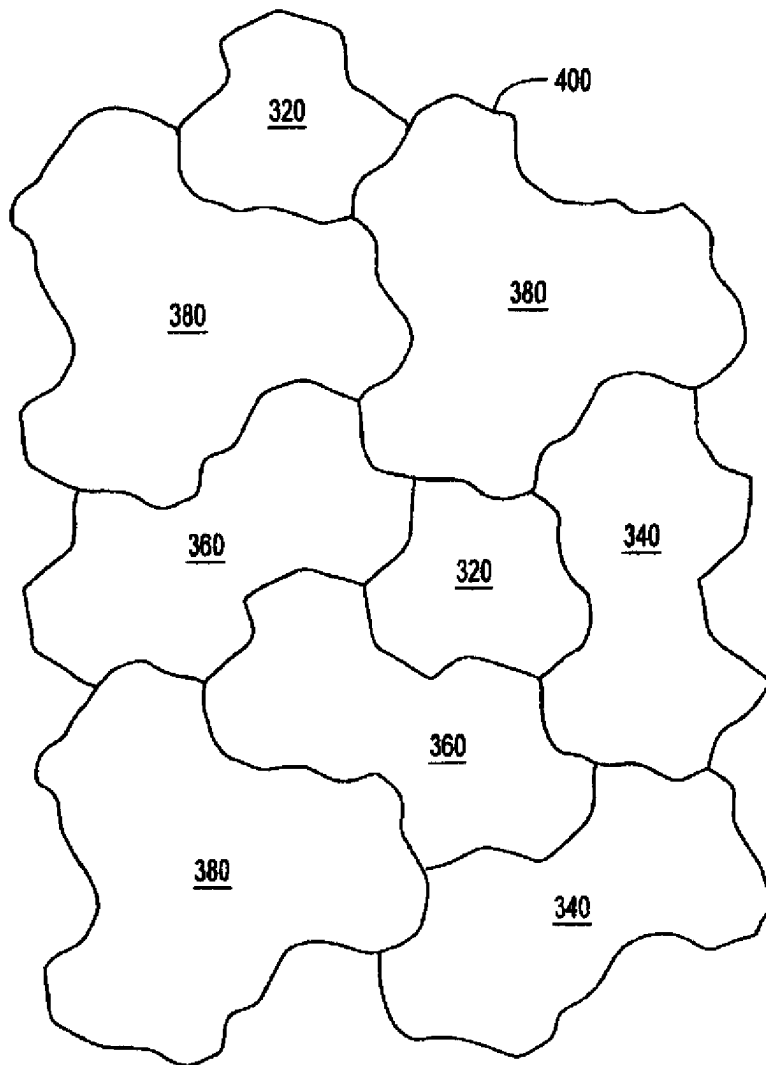


FIG. 27

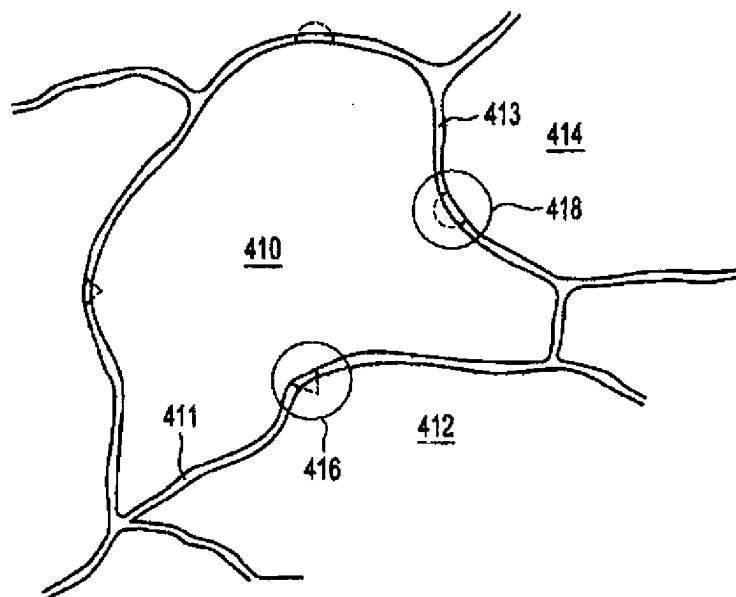


FIG. 28

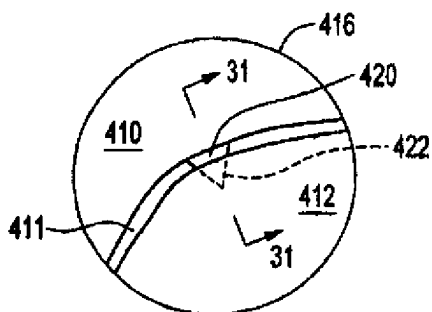


FIG. 29

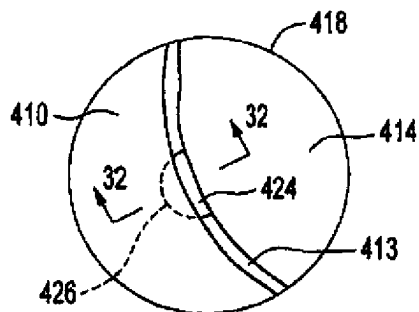


FIG. 30

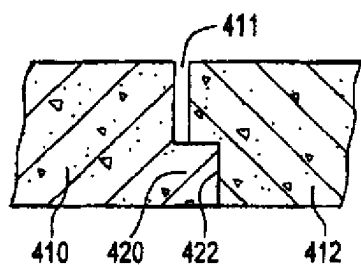


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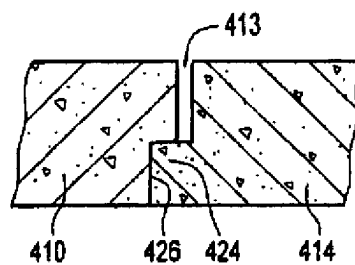


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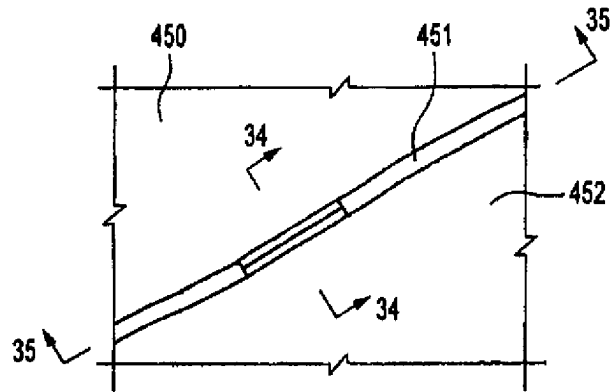


FIG. 33

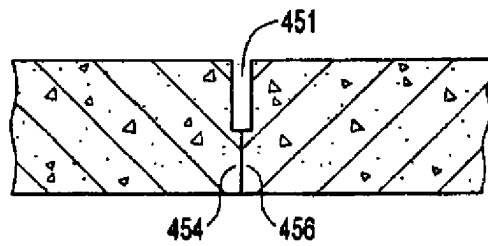


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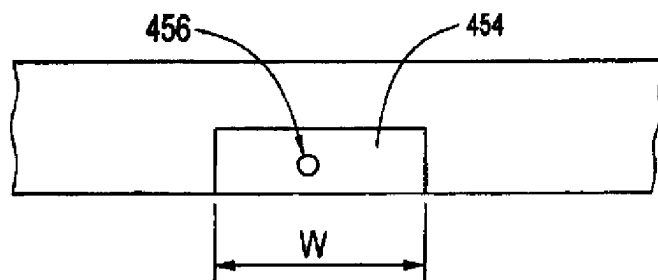


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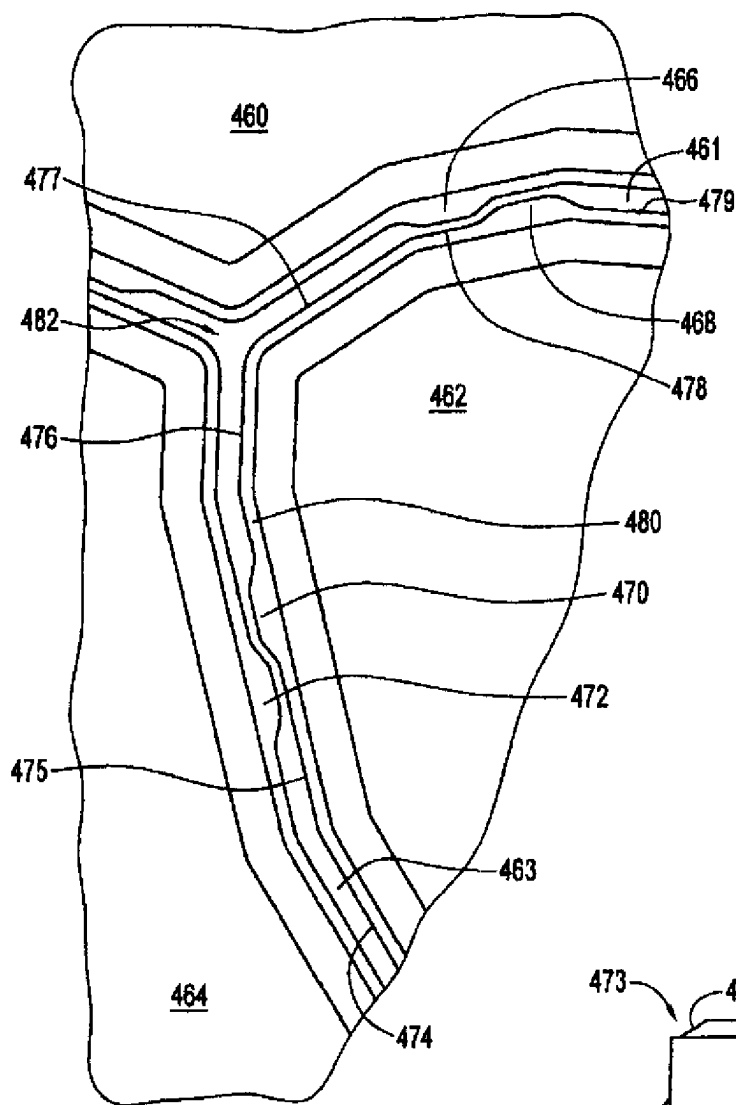


FIG. 36

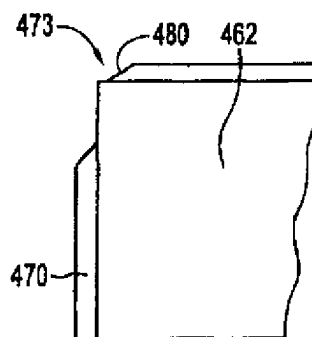


FIG. 37



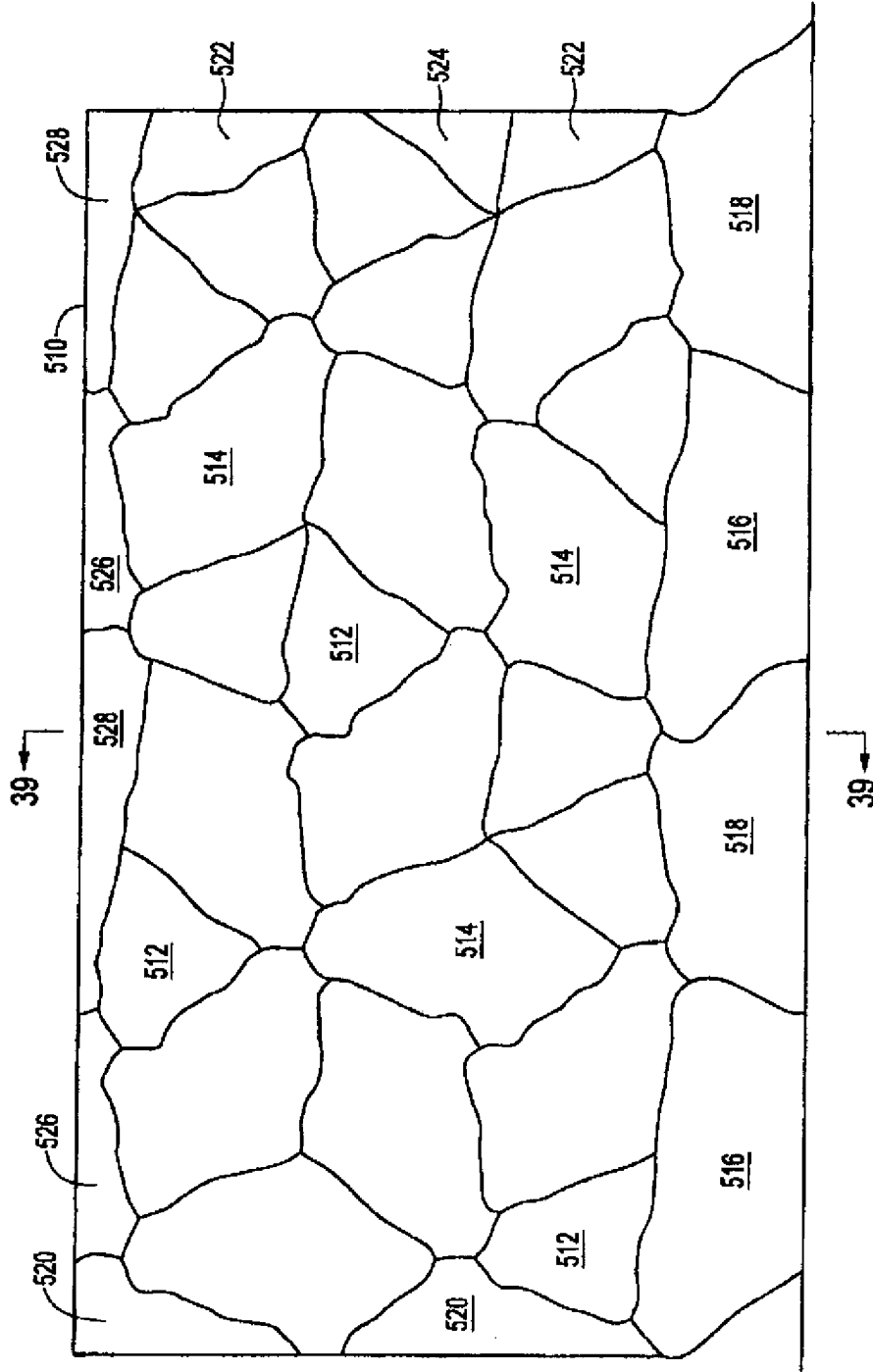


FIG. 38

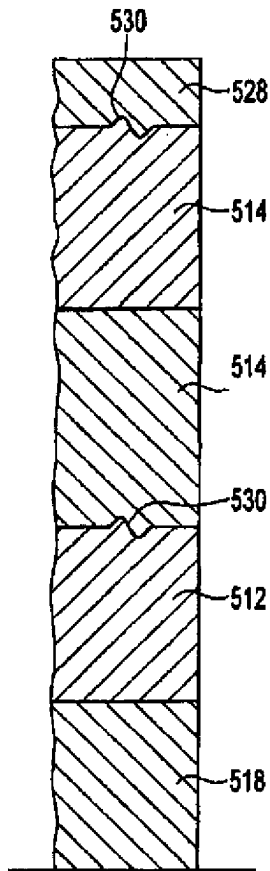


FIG. 39

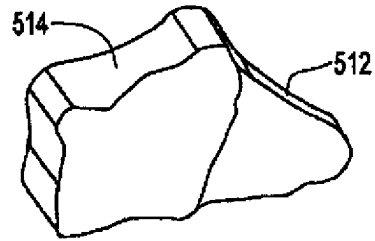


FIG. 40

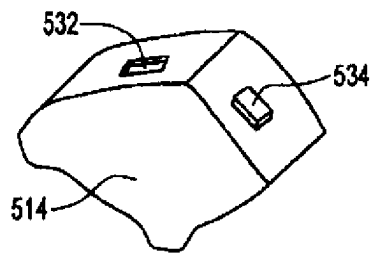


FIG. 41

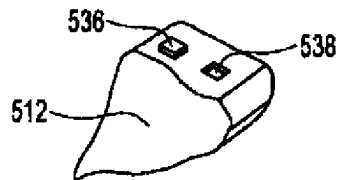


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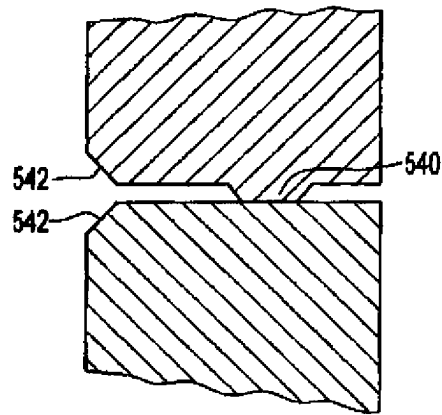


FIG. 43

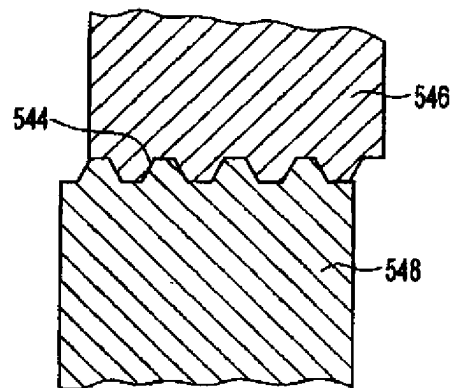


FIG. 44